

WHAT IS CLAIMED IS:

1. A safety system for a vehicle power sliding door, comprising:

5 switch means for outputting an electric signal once a window glass mounted at a sliding door is opened to a certain degree; and

 an Electronic Control Unit (ECU) for restricting the operation of said sliding door by receiving said electric signal from said
10 switch means once said window glass is opened to a certain degree.

2. The system as defined in claim 1, wherein said switch means comprises:

15 a contact switch outputting an electric signal in response to the change of contact state of a contact point; and

 a switch detector installed to operate said contact switch via ascent/descent movements of said window glass.

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3. The system as defined in claim 2, wherein said contact switch is installed at a guide rail mounted in a vertical direction at said sliding door; and

25 said contact detector is installed at a carrier plate, which is equipped with said window glass and slidably connected at said guide rail in the vertical direction.

30 4. The system as defined in claim 3, wherein said carrier plate is connected to a regulator via a wire and ascends/descends along the vertical direction of said guide rail by operation of said regulator.

35 5. The system as defined in claim 1, wherein said window glass is opened to a certain degree of 200mm.

6. The system as defined in claim 1, wherein said ECU restricts the

operation of said motor providing a driving force of said sliding door
in response to a signal from said switch means despite the operation
of a door switch that activates said sliding door.

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